IN THE SPECIFICATION:

Please replace the paragraph at page 1, lines 8-15, with the following rewritten paragraph:

Tokukouhei ~~5-17401~~ 5-17401, which ~~is~~ was published by the Japanese Patent Office in ~~1993~~ 1993, discloses a signal processor which outputs a current according to an input voltage from a joystick input device in order to control a device that is controlled by a proportional solenoid valve or the like. This is done by varying the valve opening of the proportional solenoid valve according to an amount by which a joystick ~~inclines~~ is inclined from a neutral position, and thereby controls the motion of a hydraulic actuator.

B1

Please replace the paragraph at page 2, lines 13-25, with the following rewritten paragraph:

This invention provides a signal processor for a joystick input device which varies a joystick voltage input value Vi according to an operating amount of a joystick from a neutral ~~position,~~ position, an input means which outputs the average value of the joystick voltage input value Vi read at every sampling time over a predetermined number of past occasions as a joystick voltage computation value Vic, and computation means which computes an output computation value Voc set according to the joystick voltage computation value Vic. As the change of the output operation value Voc is delayed relative to the change of the joystick voltage input value Vi, control sensitivity to sudden operation of the joystick can be mitigated. Further, the control response can easily be changed by changing the number of data which computes an average value in an input means.

B2

Please replace the paragraph at page 5, lines 1-8, with the following rewritten paragraph:

~~A~~ The controller 12 comprises an input circuit (AD converter) 13 which changes the joystick voltage input value Vi from the joystick input device 11 into a digital signal, a computation circuit 14 which computes an output operation value Voc set according to the joystick voltage input value Vi, an output circuit (DA converter) 15 which converts the computed output operation value Voc into an analog signal Vo, and a drive circuit 16 which sends the output current I according to the output value Vo to the proportional solenoids 21.

B3

Please replace the original Abstract, on page 13, with the rewritten Abstract that is attached to this Amendment on a separate page.